

Koch, Kristine

From: Koch, Kristine
Sent: Friday, May 02, 2014 2:53 PM
To: Alex Liverman (liverman.alex@deq.state.or.us); Allen, Elizabeth; Audie Huber (audiehuber@ctuir.com); Bob Dexter; Brian Cunnighame (cunnighame@gorge.net); callie@ridolfi.com; Conley, Alanna; Erin Madden (erin.madden@gmail.com); Fuentes, Rene; Gail Fricano (gfricano@indecon.com); Genevieve Angle (Genevieve.Angle@noaa.gov); Holly Partridge (Holly.Partridge@grandronde.org); JD Williams (jd@williamsjohnsonlaw.com); peterson.Jennifer@deq.state.or.us; Jeremy_Buck@fws.gov; Julie Weis (jweis@hk-law.com); Matt Johnson (matt@williamsjohnsonlaw.com); Matt McClincy (mcclincy.matt@deq.state.or.us); Michael.karnosh@grandronde.org; poulsen.mike@deq.state.or.us; Muza, Richard; rdelvecchio@indecon.com DelVecchio; Robert.Neely@noaa.gov; rose@yakamafish-nsn.gov; Ryan Sudbury (Ryan.Sudbury@grandronde.org); Sheldrake, Sean; Shephard, Burt; Susan J. Penoyar (PenoyarSJ@cdm.com); Todd King (KingTW@cdmsmith.com); tomd@ctsi.nsn.us; Tom Gainer (gainer.tom@deq.state.or.us)
Subject: FW: May 8 CDF Sediment and Water Discharge Treatment Topic
Attachments: Draft FS supplemental information list 11202013.pdf; Text only T4 60 Percent CDF DAR_August 2011.pdf

All – Here are the Port’s comments on the CDF for the FS discussion next week.

Regards,

Kristine Koch
Remedial Project Manager
USEPA, Office of Environmental Cleanup

U. S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, Suite 900, M/S ECL-115
Seattle, Washington 98101-3140

(206)553-6705
(206)553-0124 (fax)
1-800-424-4372 extension 6705 (M-F, 8-4 Pacific Time, only)

From: Jennifer Woronets [mailto:jworonets@anchorqea.com]
Sent: Friday, May 02, 2014 12:02 PM
To: Koch, Kristine
Cc: Carl Stivers; Jennifer Woronets; Jim McKenna (jim.mckenna@verdantllc.com); Patty Dost; Bob Wyatt; Amanda Shellenberger; Sheldrake, Sean; King, Todd W.
Subject: FW: May 8 CDF Sediment and Water Discharge Treatment Topic

Kristine,

Please see below and attached from Carl.

Let us know if you have any questions.

Thank you,
Jen Woronets ©
Anchor QEA, LLC
jworonets@anchorqea.com
421 SW Sixth Avenue, Suite 750
Portland, OR 97204
503-972-5014

Please consider the environment before printing this email.

The information is intended to be for the use of the individual or entity named above. If you are not the intended recipient, please be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. If you have received this electronic transmission in error, please notify us by electronic mail at jworonets@anchoragea.com

From: Carl Stivers
Sent: Friday, May 02, 2014 10:44 AM
To: Jennifer Woronets
Cc: James McKenna; Bob Wyatt; Patty Dost; Amanda Shellenberger
Subject: May 8 CDF Sediment and Water Discharge Treatment Topic

Kristine – As we discussed today, one of the topics for the May 8th meeting is EPA's requests for information on CDF sediment and water discharge treatment. Below is the email relevant to this subject that Kelly Madalinski provided in December 2013. We think this information will provide useful context for the May 8th discussion. Thanks.

Carl

Carl Stivers

ANCHOR QEA, LLC
cstivers@anchoragea.com
23 S. Wenatchee Ave, Suite 120
Wenatchee, WA 98801
Phone: 509.888.2070

ANCHOR QEA, LLC
www.anchoragea.com
Please consider the environment before printing this email.

This electronic message transmission contains information that may be confidential and/or privileged work product prepared in anticipation of litigation. The information is intended for the use of the individual or entity named above. If you are not the intended recipient, please be aware that any disclosure, copying distribution or use of the contents of this information is prohibited. If you have received this electronic transmission in error, please notify us by telephone at (206) 287-9130.

From: Madalinski, Kelly
Sent: Wednesday, December 11, 2013 8:22 AM
To: Chip Humphrey (humphrey.chip@epa.gov)
Cc: Sean Sheldrake (sheldrake.sean@epa.gov)
Subject: Follow-up to LWG supplemental technical analysis and information for draft FS

Chip,

This is follow-up to the discussion on EPA's request to the LWG for supplemental analysis and information associated with the draft Portland Harbor FS, including analysis associated with the T4 CDF. The following is additional information for consideration for the T4 CDF.

- 1) *evaluate an option for T4 CDF disposal that includes addition/mixing of carbon amendments during placement, including methods, costs, feasibility, and effectiveness* (November 20, 2013 request)
The option of amending dredged sediment during placement is presented in the EPA approved Terminal 4 CDF Design Analysis Report, dated August 2011 (Section 5.11). It is part of the contingency planning measures

discussion. The analysis does provide information on the method, cost, feasibility, and effectiveness for this option.

- 2) *evaluate options for water treatment prior to discharge of potential overflows during the filling of the T4 CDF*
- The T4 facility and filling operations is designed to achieve zero direct discharge of effluent from the CDF. This was a design objective for the CDF at T4. Mechanically dredged sediment will most likely be brought to the CDF and transferred into the CDF either mechanically, or with a high-solids pumping system, taking any required make-up water from the CDF pond resulting in minimal rise of the pond elevation. Based on this filling approach, the potential for over-the-weir discharge of the dredged effluent is not expected. The draft FS currently assumes mechanical dredging as well. If hydraulic dredging is used to fill the CDF, the dredging rates, schedules, and resultant water levels in the CDF would be managed to achieve zero direct discharge of the dredged effluent. This analysis is presented in the EPA approved Terminal 4 CDF Design Analysis Report, dated August 2011 (Section 6.3.3).

Attached is the text version of the 2011 Design Analysis Report. Please let me know if there is any questions or if you wish to discuss this information further. Thanks.

Regards,
Kelly

Kelly Madalinski

Environmental Program Manager, Port of Portland
Box 3529, Portland, OR 97208
Ph: 503.415.6676 / Cell: 503.349.7526
kelly.madalinski@portofportland.com